

**WHAT IS CLAIMED IS:**

1. An SCR muffler which comprises:

an SCR catalyst for selectively reducing and purging nitrogen oxide (NO<sub>x</sub>) contained in exhaust gas;

5 an exhaust pipe that allows the exhaust gas to flow into the SCR catalyst; and

a reducing agent, etc., supplying means that supplies a reducing agent or a reducing agent precursor to the exhaust gas,

characterized in that a plate having air holes which disperse and make a flow of the exhaust gas uniform is provided downstream of the reducing agent, etc., supplying means and upstream of the SCR catalyst.

2. The SCR muffler according to claim 1, characterized in that

15 the plate is attached to an end of the exhaust pipe and greater in diameter than the exhaust pipe, and in that the air holes are arranged in only an area greater in diameter than the exhaust pipe.

20 3. The SCR muffler according to claim 1 or 2, characterized in that the plate has a cross section shaped like a convex tapering upstream.

4. An SCR muffler which comprises:

25 an SCR catalyst for selectively reducing and purging nitrogen oxide (NO<sub>x</sub>) contained in exhaust gas;

an exhaust pipe that allows the exhaust gas to flow into the SCR catalyst and has air holes in its portion to be inserted into the muffler; and

30 a reducing agent, etc., supplying means that supplies a

reducing agent or a reducing agent precursor to the exhaust gas, characterized in that only the exhaust pipe is closed by a plate without an air hole.

5 5. The SCR muffler according to claim 4, characterized in that the plate has a cross section shaped like a convex tapering upstream.

6. An SCR muffler which comprises:

10 an SCR catalyst for selectively reducing and purging nitrogen oxide (NOx) contained in exhaust gas;  
an exhaust pipe that allows the exhaust gas to flow into the SCR catalyst; and

15 a reducing agent, etc., supplying nozzle that supplies a reducing agent or a reducing agent precursor to the exhaust gas, characterized in that the reducing agent, etc., supplying nozzle is inserted through a plate having air holes and the plate is held in the exhaust pipe.